

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: December 30, 2002, 16:16:03 ; Search time 14 Seconds

(without alignments)
136,606 Million cell updates/sec

Title: US-09-664-326-23

Perfect score: 368
Sequence: 1 LTYTDCESGQNLCEGNSN.....PKQSHNDGFEEIPYIQ 65Scoring table: BLOSUM62
Gapop 10.0 , Gapept 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/aa/5A_COMB.pep:*
2: /cgn2_6/prodata/1/aa/5B_COMB.pep:*
3: /cgn2_6/prodata/1/aa/6A_COMB.pep:*
4: /cgn2_6/prodata/1/aa/6B_COMB.pep:*
5: /cgn2_6/prodata/1/aa/PCRTUS_COMB.pep:*
6: /cgn2_6/prodata/1/aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	368	100.0	65	1	US-08-199-506A-2
2	368	100.0	65	1	US-08-385-551-1
3	368	100.0	65	1	US-08-378-225A-2
4	368	100.0	65	4	US-09-303-970-2
5	368	100.0	65	6	5180668-1
6	366	99.5	65	6	5180668-9
7	360	97.8	65	1	US-07-970-596-1
8	360	97.8	65	1	US-07-985-110-18
9	360	97.8	65	1	US-07-985-110-22
10	360	97.8	65	1	US-07-985-110-23
11	360	97.8	65	1	US-07-763-860-1
12	360	97.8	65	1	US-08-099-053-18
13	360	97.8	65	1	US-08-099-053-22
14	360	97.8	65	1	US-08-099-053-23
15	360	97.8	65	1	US-07-854-596B-2
16	360	97.8	65	1	US-08-058-699-1
17	360	97.8	65	1	US-07-910-528-3
18	360	97.8	65	1	US-08-348-922-3
19	360	97.8	65	1	US-08-452-829-18
20	360	97.8	65	1	US-08-452-829-22
21	360	97.8	65	1	US-08-452-829-23
22	360	97.8	65	1	US-08-225-272-17
23	360	97.8	65	1	US-08-406-948A-6
24	360	97.8	65	1	US-08-367-758B-14
25	360	97.8	65	2	US-09-341-926-4
26	360	97.8	65	4	US-09-341-926-2
27	360	97.8	65	6	5164304-10

28	360	97.8	65	6	5167960-1	Patent No. 5167960
29	360	97.8	66	6	5422249-2	Patent No. 5422249
30	360	97.8	82	1	US-08-715-252-2	Sequence 2, Appl
31	360	97.8	82	2	US-08-453-051-4	Sequence 4, Appl
32	360	97.8	92	1	US-08-186-222-4	Sequence 4, Appl
33	360	97.8	134	1	US-07-854-596B-9	Sequence 9, Appl
34	360	97.8	483	1	US-07-854-596B-43	Sequence 43, Appl
35	360	97.8	483	1	US-07-854-596B-47	Sequence 47, Appl
36	359	97.6	64	1	US-08-385-551-2	Sequence 6, Appl
37	359	97.6	64	1	US-08-385-551-8	Sequence 8, Appl
38	359	97.6	64	1	US-08-385-551-6	Sequence 20, Appl
39	358	97.3	65	1	US-07-985-110-20	Sequence 20, Appl
40	358	97.3	65	1	US-08-099-053-20	Sequence 20, Appl
41	358	97.3	65	1	US-08-452-829-20	Sequence 20, Appl
42	356	96.7	65	4	US-09-341-926-3	Sequence 3, Appl
43	356	96.7	65	4	US-09-341-926-4	Sequence 4, Appl
44	355	96.5	63	6	5166318-13	Patent No. 5166318
45	355	96.5	64	1	US-07-763-860-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-199-506A-2
Sequence 2, Application US/08199506A
Patent No. 5472938
GENERAL INFORMATION:
APPLICANT: Arvinte, Tudor
TITLE OF INVENTION: Pharmaceutical Compositions
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESSES:
ADDRESSEE: CIBA-GEIGY Corp.; Patent Department
STREET: 556 Morris Avenue
CITY: Summit
STATE: New Jersey
COUNTRY: USA
ZIP: 07901
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/199,506A
FILING DATE: 17-FEB-1994
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Kaiser, Karen G
REGISTRATION NUMBER: 33,506
REFERENCE/DOCKET NUMBER: 4-19453/A/NA 2079
TELECOMMUNICATION INFORMATION:
TELEPHONE: 908-277-3318
TELEFAX: 908-277-4306
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-199-506A-2

Query Match 100.0%; Score 368; DB 1; Length 65;

Best local similarity 100.0%; Pred. No. 4.6e-29;
Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LTYTDCESGQNLCEGNSNVCAGGQNKCTLSDEGKNCVTGEGTPKQSHNDGFEEIP 60
|||||
DB 1 LTYTDCESGQNLCEGNSNVCAGGQNKCTLSDEGKNCVTGEGTPKQSHNDGFEEIP 60
|||||

QY 61 EBYLQ 65
DB 61 EBYLQ 65

RESULT 2

US-08-385-551-1
; Sequence 1, Application US/08385551
; Patent No. 5674838
; GENERAL INFORMATION:
; APPLICANT: Obermeier, Rainer
; APPLICANT: Ludwig, Jurgen
; APPLICANT: Tripiet, Dominique
; APPLICANT: Hropot, Max
; TITLE OF INVENTION: Hirudin derivatives and a process for
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESS: Dunner
; STREET: 1300 I Street, N.W. Suite 700
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/385,551
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Millonig, Robert C.
; REGISTRATION NUMBER: 34,395
; REFERENCE/DOCKET NUMBER: 02481.1423-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: desulfato-Tyr63 hirudin
; FEATURE:
; NAME/KEY: protein
; LOCATION: 1..65
US-08-385-551-1

Query Match 100.0%; Score 368; DB 1; Length 65;
Best Local Similarity 100.0%; Pred. No. 4.6e-29;
Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVTYDCTESGQNLICLCEGSSNVCQGKNCITLGSDEKNCVTGEGTPKPSHNDGDFEETP 60
DB 1 LVTYDCTESGQNLICLCEGSSNVCQGKNCITLGSDEKNCVTGEGTPKPSHNDGDFEETP 60

QY 61 EBYLQ 65
DB 61 EBYLQ 65

RESULT 3
US-08-378-225A-2
; Sequence 2, Application US/08378225A
; Patent No. 5733874
; GENERAL INFORMATION:

APPLICANT: Arvinte, Tudor
; TITLE OF INVENTION: Stable Dry Powders
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: NY
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/378,225A
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9401448.7
; FILING DATE: 26-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Sprull, W. Murray
; REGISTRATION NUMBER: 32,943
; REFERENCE/DOCKET NUMBER: 4-19842/A/MA2093
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919) 541-8615
; TELEFAX: (919) 541-8689
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
US-08-378-225A-2

Query Match 100.0%; Score 368; DB 1; Length 65;
Best Local Similarity 100.0%; Pred. No. 4.6e-29;
Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVTYDCTESGQNLICLCEGSSNVCQGKNCITLGSDEKNCVTGEGTPKPSHNDGDFEETP 60
DB 1 LVTYDCTESGQNLICLCEGSSNVCQGKNCITLGSDEKNCVTGEGTPKPSHNDGDFEETP 60

QY 61 EBYLQ 65
DB 61 EBYLQ 65

RESULT 4
US-09-303-970-2
; Sequence 2, Application US/09303970
; Patent No. 6436901
; GENERAL INFORMATION:
; APPLICANT: Arvinte, Tudor.
; TITLE OF INVENTION: Pharmaceutical Compositions
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NOVARTIS Corporation
; STREET: 564 Morris Avenue
; CITY: Summit
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07901-1027
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/09/303,970
; FILING DATE: 03-May-1999
; CLASSIFICATION: <Unknown>
; 26-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/682,525
; FILING DATE: <Unknown>
; APPLICATION NUMBER: GB 9401447.9
; FILING DATE: 26-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Pfeiffer, Hessa J.
; REGISTRATION NUMBER: 22,640
; REFERENCE/DOCKET NUMBER: 4-18518/A/MA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908)522 6940
; TELEFAX: (908)522 6955
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: no
; ANTI-SENSE: no
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-303-970-2

Query Match      100.0%; Score 368; DB 4; Length 65;
Best Local Similarity 100.0%; Pred. No. 4.6e-29;
Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 LVTYDCTESGQNLCLGSGNVCGGKNCILGSDGKNCQVGTGEGTPKQSHNDGDFEIP 60

QY 61 EYLIQ 65
   |||||
DB 61 EYLIQ 65

RESULT 5
5180668-1
; Patent No. 5180668
; APPLICANT: CRAUSE, PETER; HABERMANN, PAUL; TRIPPIER, DOMINIQUE
; TITLE OF INVENTION: HIRUDIN DERIVATIVE
; NUMBER OF SEQUENCES: 10
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/295,422
; FILING DATE: 10-JAN-1989
; SEQ ID NO: 1:
; LENGTH: 65
5180668-1

Query Match      100.0%; Score 368; DB 6; Length 65;
Best Local Similarity 100.0%; Pred. No. 4.6e-29;
Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVTYDCTESGQNLCLGSGNVCGGKNCILGSDGKNCQVGTGEGTPKQSHNDGDFEIP 60
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DB 1 LVTYDCTESGQNLCLGSGNVCGGKNCILGSDGKNCQVGTGEGTPKQSHNDGDFEIP 60

QY 61 EYLIQ 65
   |||||
DB 61 EYLIQ 65

RESULT 6
5180668-9
; Patent No. 5180668
; APPLICANT: CRAUSE, PETER; HABERMANN, PAUL; TRIPPIER, DOMINIQUE
; TITLE OF INVENTION: HIRUDIN DERIVATIVE
; NUMBER OF SEQUENCES: 10
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/295,422
; FILING DATE: 10-JAN-1989
; SEQ ID NO: 9:
; LENGTH: 65
5180668-9

Query Match      99.5%; Score 366; DB 6; Length 65;
Best Local Similarity 98.5%; Pred. No. 7.2e-29;
Matches 64; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVTYDCTESGQNLCLGSGNVCGGKNCILGSDGKNCQVGTGEGTPKQSHNDGDFEIP 60
   :|||||
DB 1 MYTDCESGQNLCLGSGNVCGGKNCILGSDGKNCQVGTGEGTPKQSHNDGDFEIP 60

QY 61 EYLIQ 65
   |||||
DB 61 EYLIQ 65

RESULT 7
US-07-970-596-1
; Sequence 1, Application US/07970596
; Patent No. 5232912
; GENERAL INFORMATION:
; APPLICANT: Kristiansky, John L
; TITLE OF INVENTION: Anticoagulant Peptides
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marion Merrell Dow Inc.
; STREET: 2110 East Galbraith Rd.
; CITY: Cincinnati P. O. Box 156300
; STATE: Ohio
; COUNTRY: USA
; ZIP: 45215-6300
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/970,596
; FILING DATE: 30-OCT-1992
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/645,539
; FILING DATE: 24-JAN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: COLLIER, Kenneth J
; REGISTRATION NUMBER: P-34,982
; REFERENCE/DOCKET NUMBER: M01384A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (513) 948-7834
; TELEFAX: (513) 948-7961
; TELEX: 214320
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Hirudo medicinalis (Medicinal leech)
; STRAIN: Class: Eukaryota; Metazoa; Annelida; Hirudinea
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..65
; OTHER INFORMATION: /label= Features
; OTHER INFORMATION: /note= "Serine Protease Inhibitor; Sulfation;
; OTHER INFORMATION: Multigene Family; 3D-Structure: 6970 MN; 20445
; OTHER INFORMATION: CN."
; FEATURE:
; NAME/KEY: Peptide
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LOCATION: 1..65
OTHER INFORMATION: /label= Properties
OTHER INFORMATION: /note= "Hirudin is a potent thrombin-specific
OTHER INFORMATION: protease inhibitor that forms a stable
OTHER INFORMATION: non-covalent complex with "
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..65
OTHER INFORMATION: /label= Features
OTHER INFORMATION: /note= "(cont'd) alpha-thrombin, thereby
OTHER INFORMATION: abolishing its ability to cleave fibrinogen."
FEATURE:
NAME/KEY: Peptide
LOCATION: 63
OTHER INFORMATION: /label= Features
OTHER INFORMATION: /note= "Modified Residue (RES), RES 63 Sulfatation"
PUBLICATION INFORMATION:
AUTHORS: Muller, H P
AUTHORS: Seemuller, U
AUTHORS: Chang, J Y
JOURNAL: FEBS Lett.
ISSUE: 165
PAGES: 180-183
DATE: 1984
PUBLICATION INFORMATION:
AUTHORS: Petersen, T E
AUTHORS: Roberts, H R
AUTHORS: Sottrop-Jensen, L
AUTHORS: Magnusson, S
JOURNAL: Book: Protides of The Biological Fluids, Proc. 23rd Colloq.
PAGES: 145-149
DATE: 1976
PUBLICATION INFORMATION:
AUTHORS: Folkers M, P J
AUTHORS: Clore, G M
AUTHORS: Driscoll, P C
AUTHORS: Dotti, J
AUTHORS: Koehler, S
TITLE: Structure by NMR
JOURNAL: Abstracted in Genbank
US-07-970-596-1

Query Match 97.8%; Score 360; DB 1; Length 65;
Best Local Similarity 96.9%; Pred. No. 2.7e-28;
Matches 63; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 LVTDTESGQNLCEGNSVCGGKNCILGSDGKNCVGTGEGTPKPSHNDGDFEEIP 60
DB 1 VVYTDCTESGQNLCEGNSVCGGKNCILGSDGKNCVGTGEGTPKPSHNDGDFEEIP 60

QY 61 EBYLQ 65
DB 61 EBYLQ 65

RESULT 8
US-07-985-110-18
Sequence 18, Application US/07985110
Patent No. 5286714
GENERAL INFORMATION:
APPLICANT: Crause, Peter
APPLICANT: Habermann, Paul
APPLICANT: Tripiier, Dominique
APPLICANT: Uimer, Wolfgang
APPLICANT: Schmid, Gerhard
TITLE OF INVENTION: No. 5286714e1 Synthetic Isohlrudins with
NUMBER OF SEQUENCES: 27
TITLE OF INVENTION: Improved Stability
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESS: Dunnet

STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/985,110
FILING DATE: 03-DEC-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE P 4140381.9
FILING DATE: 07-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Elnadl, Carol P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 02481-1244-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-07-985-110-18

Query Match 97.8%; Score 360; DB 1; Length 65;
Best Local Similarity 98.4%; Pred. No. 2.7e-28;
Matches 63; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 TYTDTESGQNLCEGNSVCGGKNCILGSDGKNCVGTGEGTPKPSHNDGDFEEIP 61
DB 2 TYTDTESGQNLCEGNSVCGGKNCILGSDGKNCVGTGEGTPKPSHNDGDFEEIP 61

QY 62 EYLQ 65
DB 62 EYLQ 65

RESULT 9
US-07-985-110-22
Sequence 22, Application US/07985110
Patent No. 5286714
GENERAL INFORMATION:
APPLICANT: Crause, Peter
APPLICANT: Habermann, Paul
APPLICANT: Tripiier, Dominique
APPLICANT: Uimer, Wolfgang
APPLICANT: Schmid, Gerhard
TITLE OF INVENTION: No. 5286714e1 Synthetic Isohlrudins with
NUMBER OF SEQUENCES: 27
TITLE OF INVENTION: Improved Stability
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESS: Dunnet
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/985,110

FILING DATE: 03-DEC-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE P 4140381.9
FILING DATE: 07-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Elnaudt, Carol P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 02481-1244-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-07-985-110-22

Query Match 97.8%; Score 360; DB 1; Length 65;
Best Local Similarity 98.4%; Pred. No. 2,7e-28;
Matches 63; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 TYTDCESGNNCLCESSNVCGGNKCILGSDGKNCVTEGTPKPKOSHNDGPFEEIPE 61
|||||
DB 2 TYTDCESGNNCLCESSNVCGGNKCILGSDGKNCVTEGTPKPKOSHNDGPFEEIPE 61
QY 62 EYLD 65
|||||
DB 62 EYLD 65

RESULT 10
US-07-985-110-23
Sequence 23, Application US/07985110
Patent No. 5286714
GENERAL INFORMATION:
APPLICANT: Crause, Peter
APPLICANT: Habermann, Paul
APPLICANT: Tripiier, Dominique
APPLICANT: Ulmer, Wolfgang
APPLICANT: Schmid, Gerhard
TITLE OF INVENTION: No. 5286714e1 Synthetic Isohirdins with
NUMBER OF SEQUENCES: 27
TITLE OF INVENTION: Improved Stability
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESS: Dunnet
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/985,110
FILING DATE: 03-DEC-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE P 4140381.9
FILING DATE: 07-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Elnaudt, Carol P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 02481-1244-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400

INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-07-985-110-23

Query Match 97.8%; Score 360; DB 1; Length 65;
Best Local Similarity 98.4%; Pred. No. 2,7e-28;
Matches 63; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 TYTDCESGNNCLCESSNVCGGNKCILGSDGKNCVTEGTPKPKOSHNDGPFEEIPE 61
|||||
DB 2 TYTDCESGNNCLCESSNVCGGNKCILGSDGKNCVTEGTPKPKOSHNDGPFEEIPE 61
QY 62 EYLD 65
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DB 62 EYLD 65

RESULT 11
US-07-763-860-1
Sequence 1, Application US/07763860
Patent No. 5296352
GENERAL INFORMATION:
APPLICANT: Schlaeppl, Jean-Marc
TITLE OF INVENTION: Monoclonal Antibodies Directed Against
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: USA
ZIP: 10532
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/763,860
FILING DATE: 19910923
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9021370.3
FILING DATE: 02-OCT-1990
ATTORNEY/AGENT INFORMATION:
NAME: Lazar, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: 4-18266/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8615
TELEFAX: (919)541-8615
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: hirudo medicinalis
INDIVIDUAL ISOLATE: hirudin variant type HV1
FEATURE:
NAME/KEY: Modified-site
LOCATION: 27
OTHER INFORMATION: /note= "Lys may be replaced by Ile or
Glu"

FEATURE:
NAME/KEY: Modified-site
LOCATION: 36
OTHER INFORMATION: /note= "Lys may be replaced by Ile or
OTHER INFORMATION: Glu"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 47
OTHER INFORMATION: /note= "Lys may be replaced by Ile or
OTHER INFORMATION: Glu"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 51
OTHER INFORMATION: /note= "His may be replaced by Leu or
OTHER INFORMATION: Asp"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1..2
OTHER INFORMATION: /note= "Val 1-Val 2 may be replaced
OTHER INFORMATION: by Thr or Leu-Thr"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 63
OTHER INFORMATION: /note= "Tyr 63 is a modified Tyr
US-07-763-860-1

Query Match 97.8%; Score 360; DB 1; Length 65;
Best Local Similarity 96.9%; Pred. No. 2.7e-28;
Matches 63; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 LVYTCESGQNLCEGSGVCGQGNKCLIGSDGKNCVGTGCTPKPSHNDGFEELP 60
DB 1 VVYTCESGQNLCEGSGVCGQGNKCLIGSDGKNCVGTGCTPKPSHNDGFEELP 60

QY 61 EYLIQ 65
DB 61 EYLIQ 65

RESULT 12
US-08-099-053-18
Sequence 18, Application US/08099053
Patent No. 5316947
GENERAL INFORMATION:
APPLICANT: Crause, Peter
APPLICANT: Habermann, Paul
APPLICANT: Tripiier, Dominique
APPLICANT: Uimer, Wolfgang
APPLICANT: Schmid, Gerhard
TITLE OF INVENTION: No. 5316947el Synthetic Isohitudins with
TITLE OF INVENTION: Improved Stability
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Flanagan, Henderson, Farabow, Garrett &
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: PC-DOS/MS-DOS
OPERATING SYSTEM: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/099,053
FILING DATE: 19930729
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/985,110
FILING DATE: 03-DEC-1992
APPLICATION NUMBER: DE P 4140381.9

FILING DATE: 07-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Einaudi, Carol P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 02481-1244-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-099-053-18

Query Match 97.8%; Score 360; DB 1; Length 65;
Best Local Similarity 96.4%; Pred. No. 2.7e-28;
Matches 63; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 TVYTCESGQNLCEGSGVCGQGNKCLIGSDGKNCVGTGCTPKPSHNDGFEELP 61
DB 2 TVYTCESGQNLCEGSGVCGQGNKCLIGSDGKNCVGTGCTPKPSHNDGFEELP 61

QY 62 EYLIQ 65
DB 62 EYLIQ 65

RESULT 13
US-08-099-053-22
Sequence 22, Application US/08099053
Patent No. 5316947
GENERAL INFORMATION:
APPLICANT: Crause, Peter
APPLICANT: Habermann, Paul
APPLICANT: Tripiier, Dominique
APPLICANT: Uimer, Wolfgang
APPLICANT: Schmid, Gerhard
TITLE OF INVENTION: No. 5316947el Synthetic Isohitudins with
TITLE OF INVENTION: Improved Stability
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Flanagan, Henderson, Farabow, Garrett &
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: PC-DOS/MS-DOS
OPERATING SYSTEM: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/099,053
FILING DATE: 19930729
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/985,110
FILING DATE: 03-DEC-1992
APPLICATION NUMBER: DE P 4140381.9
ATTORNEY/AGENT INFORMATION:
NAME: Einaudi, Carol P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 02481-1244-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:

LENGTH: 65 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-099-053-22

Query Match 97.8%; Score 360; DB 1; Length 65;
Best Local Similarity 98.4%; Pred. No. 2.7e-28;
Matches 63; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 TYTDCITESGONLCLCESSNVCGGKNKCIIGSDGKNCQVTGEGTPKQSHNDGDFEIEIP 61
Db 2 TYTDCITESGONLCLCESSNVCGGKNKCIIGSDGKNCQVTGEGTPKQSHNDGDFEIEIP 61
QY 62 EYIQ 65
Db 62 EYIQ 65

RESULT 14

US-08-099-053-23
Sequence 23, Application US/08099053
Patent No. 5316947
GENERAL INFORMATION:
APPLICANT: Crause, Peter
APPLICANT: Haberman, Paul
APPLICANT: Tripier, Dominique
APPLICANT: Ulmer, Wolfgang
APPLICANT: Schmid, Gerhard
TITLE OF INVENTION: No. 5316947el Synthetic Isochrudins with
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Finegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/099,053
FILING DATE: 19930729
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/985,110
FILING DATE: 03-DEC-1992
APPLICATION NUMBER: DE P 4140381.9
FILING DATE: 07-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Elnaudi, Carol P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 02481-1244-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-099-053-23

Query Match 97.8%; Score 360; DB 1; Length 65;
Best Local Similarity 98.4%; Pred. No. 2.7e-28;
Matches 63; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 TYTDCITESGONLCLCESSNVCGGKNKCIIGSDGKNCQVTGEGTPKQSHNDGDFEIEIP 61
Db 2 TYTDCITESGONLCLCESSNVCGGKNKCIIGSDGKNCQVTGEGTPKQSHNDGDFEIEIP 61
QY 62 EYIQ 65
Db 62 EYIQ 65

RESULT 15

US-07-854-596B-2
Sequence 2, Application US/07854596B
Patent No. 5434073
GENERAL INFORMATION:
APPLICANT: Dawson, Keith M
APPLICANT: Hunter, Michael G
APPLICANT: Czaplowski, Lloyd G
TITLE OF INVENTION: Proteins and nucleic acids
NUMBER OF SEQUENCES: 73
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Dr. John J. McDonnell
STREET: Ten South Wacker Drive, Suite 3000
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/854,596B
FILING DATE: 03-JUN-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: McDonnell, John J
REGISTRATION NUMBER: 26,949
REFERENCE/DOCKET NUMBER: 92,337
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-854-596B-2

Query Match 97.8%; Score 360; DB 1; Length 65;
Best Local Similarity 96.9%; Pred. No. 2.7e-28;
Matches 63; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 LTYTDCITESGONLCLCESSNVCGGKNKCIIGSDGKNCQVTGEGTPKQSHNDGDFEIEIP 60
Db 1 LTYTDCITESGONLCLCESSNVCGGKNKCIIGSDGKNCQVTGEGTPKQSHNDGDFEIEIP 60
QY 61 EYIQ 65
Db 61 EYIQ 65

Search completed: December 30, 2002, 16:18:21
Job time : 15 secs

